DETAILED ACTION

1.   Claims 1,4-8,14-16 are allowed.

Drawings

2.   The Drawings filed on 6/26/2003 are <u>acceptable</u> for examination purpose.

Priority

1.   Acknowledgment is made of applicant's claim for foreign priority under

35 U.S.C. 119(a)-(d) based on application no. **2002-204106** filed on 7/12/2002

in Japan.

<u>Interview:</u>

3.   Applicant's Attorney Thomas E. McKiernan, Reg.No. 37,889 is thanked for

the telephone interview on 8/25/2008. During that telephone interview Thomas

E. McKiernan granted authorization to **amend claims 1, 4,815-16** and

cancel claims: 3, 12-13.

EXAMINER'S AMENDMENT

4.   An examiner's amendment to the record appears below. Should the

changes and/or additions be unacceptable to applicant, an amendment may be

filed as provided by 37 CFR 1.312. To ensure consideration of such an

amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Applicant's Attorney Thomas E. McKiernan, Reg.No. 37,889 on 8/25/2008.

The application has been amended as follows:

1.   (*currently amended*) A content management system for archiving

content as electronic data and managing an original, comprising:

a management device for managing histories of a content registration

processing and a content revision processing; and

a storage unit provided in said management device; and

a portable medium for containing the content, that is removably attached

to the management device and has a media ID,

wherein the management device, on register request from an external

device, registers the content on the portable medium and stores a processing

history of said registration processing and the media ID for the content in relation

to each other into said storage unit; and on update request from said external

device, stores revised content from said external device on the portable medium

and stores a processing history of said revision processing and the media ID for

the content in relation to each other into said storage unit,

wherein the portable medium containing the content is removed from the

management device while the processing history and the media ID remain in the

management device; ~~and~~

wherein the management device creates a registration certificate in response to the registration and revision of the content, stores a result together with the content on the portable medium, issues said registration certification to said external device, determines a validity of the registration certificate from the external device, and allows access to the content of the portable medium;

wherein the management device stores the result as content management information, and allows the content processing history to be read; and

wherein the management device encrypts the content in response to a content storage, encrypts the encryption key with the media ID, and stores the encrypted content and encrypted encryption key on the portable medium of the media ID.

2 and 3.   (*cancelled*)

4.   (*currently amended*) The content management system according to claim 1,

wherein the management device encrypts the content with an encryption key produced by random numbers in response to a content storage, encrypts the encryption key with the media ID, and stores the encrypted content and encrypted encryption key on the portable medium of the media ID.

5.   (original) The content management system according to claim 1,

wherein the management device creates and archives serial content

managing information in response to registration and revision of the content.

6.   (previously presented) The content management system according

to claim 1, further comprising a copying medium for storing encrypted content on

the portable medium,

and wherein user is distributed an encryption key and copying medium.

7.   (previously presented) The content management system according

to claim 1, wherein the management device and an external device are

connected via a network.

8.   (*currently amended*) A content management system for archiving

content as electronic data and managing an original , comprising :

a management device for managing histories of a content registration

processing and a content revision processing;

a first storage unit provided in said management device; and

a second storage unit for saving, the content, that has a media ID,

wherein the management device, on a request input of a registration on

the content, registers the content on the second storage unit and stores a

processing history of said registration processing or a revision processing and

the media ID for the content in relation to each other into said first storage unit;

and on a request input of a revision on the content, stores revised content on the second storage unit and stores a processing history of said revision processing and the media ID for the content in relation to each other into said first storage unit;

wherein the second storage unit containing the content is removed from the management device while the processing history and the media ID remain in the management device; ~~and~~

wherein the management device creates a registration certificate in response to the registration and revision of the content, stores a result together with the content on the portable medium, issues said registration certificate to said external device, determines a validity of the registration certificate from the external device, and allows access to the content of the portable medium;

<u>wherein the management device determines a validity of the registration certification received from the external device, and allows that the external device reads the processing history of the content; and</u>

<u>wherein the management device encrypts the content in response to a content storage, encrypts an encryption key that encrypts the content with the media ID, and stores the encrypted content and encrypted encryption key on the second storage unit of the media ID.</u>

9-13. (*cancelled*)

14.   (previously presented) The content management system according

to claim 8,

wherein the management device creates and archives serial content

managing information in response to registration and revision of the content.

15.   (***currently amended***) A content management apparatus for

managing contents, comprising:

an internal storage unit; and

a management device for ~~executing~~ managing histories of a content

registration processing and a content revision processing ~~of the content on an~~

~~external storage unit that has a media ID that is peculiar to a storage unit,~~

~~storing~~; and

a storage unit provided in said management device; and

a portable medium for containing the content, that is removably attached

to the management device and has a media ID,

wherein the management device, on register request from an external

device, registers the content on the portable medium and stores a processing

history of said registration processing and the media ID for the content in relation

to each other into said ~~internal~~ storage unit~~, on a request input of a registration~~;

and on ~~the~~ update request from said external device, stores revised content from

said external device on the portable medium and ~~storing~~ stores a processing

history of said revision processing and the media ID for the content in relation to

each other into said ~~internal~~ storage unit, ~~on a request input of a revision on the~~

~~content~~;

wherein the ~~external storage unit~~ portable medium containing the content is

removed from the management device while the processing history and the

media ID remain in the management device; and

wherein the management device creates a registration certificate in

response to the registration and revision of the content, stores a result together

with the content on the portable medium, issues said registration certification to

said external device, determines a validity of the registration certificate from the

external device, and allows access to the content of the portable medium;

wherein the management device stores the result as content management

information, and allows the content processing history to be read; and

wherein the management device encrypts the content with an encryption

key in response to a content storage, encrypts the encryption key with the media

ID, and stores the encrypted content and encrypted encryption key on the

portable medium of the media ID.

16.   (***currently amended***) A content management method for managing contents, comprising the steps of:

~~executing registration and revision processing of the content on an external storage unit that has a media ID that is peculiar to a storage unit, on a request input of a registration and a revision on the content from and external device;~~

~~storing~~managing histories of a content registration processing and a content revision processing in a management device; and

providing a storage unit in said management device; and

providing a portable medium for containing the content, that is removably attached to the management device and has a media ID,

wherein the management device, on register request from an external device, registers the content on the portable medium and stores a processing history of said registration processing and the media ID for the content in relation to each other into ~~an internal~~said storage unit; and on ~~said~~update request ~~input of said registration;storing~~from said external device, stores revised content from said external device on the portable medium and stores a processing history of said revision processing and the media ID for the content in relation to each other into said ~~internal~~storage unit ~~on said request input of said revision;~~

~~creating a registration certificate in response to the registration and revision of the content;~~

~~storing a result together with the content on~~wherein the portable medium~~issuing said registration certification to said external device;~~

~~determining a validity of the registration certificate from the external~~

~~device; and~~

~~allowing access to the content of the portable medium,~~

~~wherein the external storage unit~~ containing the content is removed from

~~a~~the management device while the processing history and the media ID remain

in the management device;

wherein the management device creates a registration certificate in

response to the registration and revision of the content, stores a result together

with the content on the portable medium, issues said registration certification to

said external device, determines a validity of the registration certificate from the

external device, and allows access to the content of the portable medium;

wherein the management device stores the result as content management

information, and allows the content processing history to be read; and

wherein the management device encrypts the content with an encryption

key in response to a content storage, encrypts the encryption key with the media

ID, and stores the encrypted content and encrypted encryption key on the

portable medium of the media ID.

Pursuant to MPEP 606.01 the <u>Title</u> is changed to read

--CONTENT MANAGEMENT SYSTEM FOR ARCHIVING DATA,

MANAGING HISTORIES, VALIDITY OF CONTENT REGISTRATION

CERTIFICATION WHEREIN THE MANAGEMENT DEVICE ENCRYPTS THE

CONTENT IN RESPONSE TO A COTENT STORAGE, ENCRYPTS THE

ENCRYPTION KEY WITH THE MEDIA ID —

Reasons for allowance

The following is an examiner's statement of reasons for indication of allowable:

The present invention is directed to content management system particularly management device creates a registration certificate in response to registration and revision of the content, stores the result as content management information, determines the validity of the registration certificate from the external device, and allows the content processing history to be read. This allows the content history to be accessed only by those notified of the registration certificate and presents unauthorized access.

The closest prior art US Pub.No. 2001/0009580 issued to Keda is directed to information encryption device and encryption method particularly unique information storage means for storing unique information that is not duplicated in devices other than a predestinated information processor , also encryption including encryption key associated with the information, further encrypted data is stored on a storage medium to which the encrypted data are written is exchangeably installed in the information encryption devicer [page 2, 0019-0028].

The closet prior art EP 1018733 issued to Tagawa,Kenji et al. is directed to digital data recording device and method for protecting copyright, more specifically digital data recording apparatus wherein the digital data that has been recorded on the recording medium is reproduced by a playback apparatus, the encryption unit including a first encryption sub-unit for re-encrypting digital

data using an encryption key that has been created according to identification

information [page 2, col 2, 0010]

It is however, noted that the prior art of record either along or in

combination fails to anticipate or render obvious, the recited feature *"wherein the*

management device creates a registration certificate in response to the

registration and revision of the content, stores a result together with the content

on the portable medium, issues said registration certification to said external

device, determines a validity of the registration certificate from the external

device, and allows access to the content of the portable medium" in

claim 1,8,15,16.

These features, together with the other limitations of the independent

claims are novel and non-obvious over the prior art of record. The dependent

claims 4-7,14 being definite, enabled by the specification, and further limiting to

the independent claims is also allowable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Srirama Channavajjala whose telephone number is 571-272-4108. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alam, Hosain, T, can be reached on (571) 272-3978. The fax phone numbers for the organization where the application or proceeding is assigned is 571-273-8300 Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Srirama Channavajjala/
Primary Examiner, Art Unit 2166.